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Morning Comments

Equity Market, Poland

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DJIA	25,628.9	-2.37%	FTSE 100	7,095.0	-0.47%	Copper (LME)	5,633.0	-0.88%
S&P 500	2,847.1	-2.59%	WIG20	2,103.7	-0.21%	Crude Oil (Brent)	58.31	-2.20%
NASDAQ	7,751.8	-3.00%	BUX	39,519.6	+0.32%	USD/PLN	3.9234	-0.23%
DAX	11,611.5	-1.15%	PX	1,045.6	+0.31%	EUR/PLN	4.3742	+0.40%
CAC 40	5,326.9	-1.14%	PLBonds10	2.016	-0.019	EUR/USD	1.1144	+0.58%

Company & Sector News

Banks

No negative rates on deposits proposed in Germany

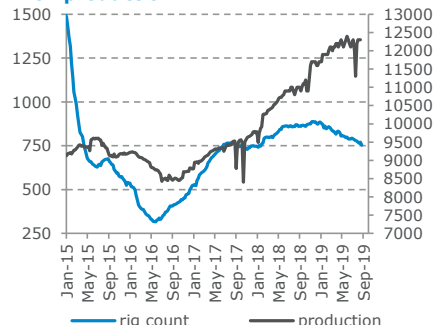
CSU party proposed that banks won't be able to pass negative interest rates on clients through negative interest on deposits up to EUR 100k. For now German government hasn't declined the proposition. **Taking into account that its very likely that ECB will decrease interest rates on September, proposed legislation would put additional pressure on banks profitability in Germany.** (M. Konarski, M. Lemańczyk)

Oil&Gas

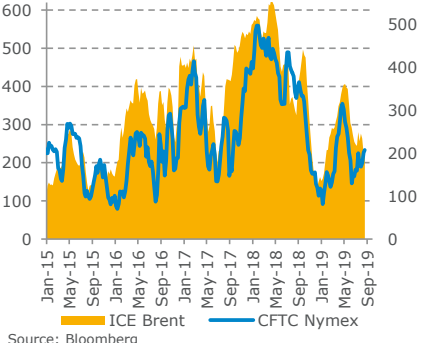
Oil bets on WTI increased 3 week in a row

According to the weekly report by the US Commodity Futures Trading Commission, net speculative long positions in WTI crude last week increased 3 week in a row by 6,300 to 206,000 (with the 12-month average at 202,000). At the same time, ICE speculative positions in Brent were down (also 3 week in a row) by 6,500 to 220,000 contracts (12-month average at 297,000). Meanwhile, the Baker Hughes rig count, after one week break, continued losing streak and decreased by 16 (YTD change negative @-131). (K. Kliszcz)

US active oil rig count vs daily crude oil production



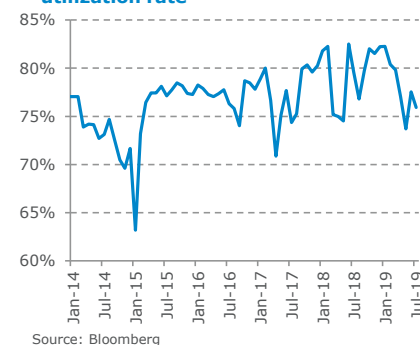
Speculative net positions in WTI and Brent crude oil



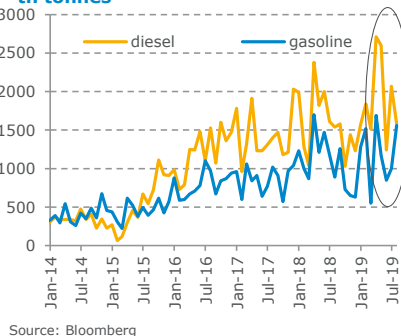
China's diesel exports down in July

China's diesel exports fell in July by 23% mom and 12M moving average yoy dynamic decreased from 5% to 4%. As far as gasoline is concerned, exports increased by 56% mom with 12M moving average at -1% yoy. Exports drop is mainly driven by maintenance shutdowns and poor export margins offered by the market (teapots refineries utilization rate still around 60%). Not supportive macro environment is also putting a pressure on utilization rate at state owned refineries (76%) but it is also connected with launching new capacities. (K. Kliszcz)

Chinese state owned refineries utilization rate



China diesel and gasoline exports in tonnes



JSW

Accumulate - 2019-07-03
Target price: PLN 50.02

Q2'19 Management conference highlights

- **Output outlook:** JSW expects an increase in extraction in H2 alongside a higher portion of coking coal in the mix - deputy CEO for production Tomasz Sledz. In 2Q'19 5 new wall will operate and in 4Q'19 two following will be launched. Coking coal share will rise by several percent in Q3 as well as Q4, Sledz specified. The FY production is assumed "at the planned level, that is 15.5 mln tons," according to CEO Herezniak, which is in line with previous expectations.
- **Sales outlook:** JSW should not have problems selling increased volumes as clients signal no needs for purchases reduction and key European steelmakers withdraw from earlier declarations of production reductions - dep. CEO for trade Rafal Pasieka. The company "does not foresee" reduction in 2019, including the one with ArcelorMittal; it is preparing to negotiate contracts for 2020, but faces no supply reduction requests at this point, according to Pasieka.
- **Inventories at end of 2019** - The technical inventories need to stay on the level of 0.8-1 mln tons - company officials.
- **Dividend from 2019 profit:** "All will depend on the company's investment assumptions and revision of the company strategy" - dep. CEO for strategy and growth Artur Dyczko.
- **Strategy update:** JSW expects to present its updated strategy in Q1 2020, "to end-March 2020 is a good, safe horizon" - dep. CEO Dyczko.
- **Capex:** "This year's capex will be very good, I believe; we have a good plan and we stick to it" - dep. CEO Dyczko.
- **Employee costs:** JSW assumes the PLN 163 mln bonus paid to workers in 2019 will be a one-off increase in labor costs this year; "we don't assume there will be talks on further wage increase in H2" - dep. CEO for labor and social policy Artur Wojtkow.
- **Coke prices:** JSW notes no risk of a significant decline in coke prices - dep. CEO Pasieka.
- **Debiensko project:** The mine looks interesting as the deposit is huge, with over 300 mln tons of coal, primarily Type 34 but also 35; still, "the guidelines from the Ministry of Energy are obvious: the company's interests come first, just as those of the owner;" the company will keep analyzing the matter - CEO Herezniak.
- **PBSz INTEGRATION:** JSW should be able to communicate the measurable impact of PBSz's integration on its costs after Q3, "for sure towards the end of the year" - dep. CEO Dyczko.
- **Investments:** The company will focus on further construction of the Bzie-Debina mine, seen as the most significant investment in the nearest future due to the hoped-for increase in the output of type 35 coal; modernization of processing facilities in Sczyglowice-Knurow and Budryk are also seen as key investments, along with coalbed methane utilization - CEO Herezniak. **(J. Szkopek)**

KGHM

Hold - 2019-08-22
Target price: PLN 77.51

Metal production in July

In July, the dynamics of copper production growth (+ 7% y / y) clearly decreased compared to previous periods due to the increase in the comparative base (in 2H'18 KGHM Polska Miedz started selling concentrate and increased volumes of finished products) and the accumulation of anode reserves before the renovation of the Copper Works Cedynia in October 19 and November 19. Copper production at KGHM Polska Miedz (best result since March 19) and KGHM International (best result since May 18) was growing for another month in a row. The copper production in Sierra Gorda looks relatively weak compared to previous months. Also after a weaker result in June 19, copper and silver production in concentrate in KGHM Polska Miedz reflected next month. The negative surprise took place in VII'19 at KGHM Polska Miedz where production of precious metals (gold and silver) fell. This was associated with the renovation of the Kaldo furnace at the Department of Precious Metals at HM Glogow I. Sales of practically all metals recorded a y / y decline in all locations of the KGHM Group). In Poland, this is related to building stocks before the renovation of the Cedynia Copper Smelter. In other locations, this was influenced by the schedule of metal shipments. **More information about monthly KGHM volumes you could find in our special comment, which will be published in few munitues. (J. Szkopek)**

Copper

Shanghai copper falls to 3-week low on new U.S.-China tariffs

China's copper futures prices fell to their lowest in three weeks, as demand prospects for base metals weakened following the latest escalation in the Sino-U.S. trade war. U.S. President Donald Trump on Friday announced a 5% additional duty on \$550 billion in targeted Chinese goods, hours after China unveiled retaliatory tariffs on \$75 billion worth of U.S. products. China also said it will impose an extra 5% tariff on imports of copper scrap and aluminium scrap from the United States from Dec. 15, adding to the 25% levy on copper scrap from a previous round of duties. **For more information please visit <https://tinyurl.com/vyylocxa> (J. Szkopek)**

Gold

Gold touches over 6-yr peak as risk-off appetite stoked

Gold prices jumped to a fresh six-year high on Monday as the announcement of new tariffs in the escalating Sino-U.S. trade war sent equity markets tumbling, and investors rushing for safe-haven assets. Spot gold jumped 1.2% to \$1,544 per ounce as of 0141 GMT, having earlier touched \$1,554.56 an ounce, its highest since April 2013. U.S. gold futures were up 1.1% at \$1,554.90 an ounce. **For more information please visit <https://tinyurl.com/vysv2y8u> (J. Szkopek)**

Steel

China steel futures slump as trade war intensifies

China's steel and iron ore futures were weaker across the board in morning trade on Monday, mirroring the gloomy mood in global financial markets due to a further escalation of the U.S.-Sino trade conflict. Benchmark contracts for steel products used in construction and manufacturing slumped as worries increased over prospects for demand in top steelmaker China, already hit the bruising trade war, dragging prices of steelmaking raw materials. In the Singapore Exchange, the front-month September 2019 iron ore contract sank as much as 4.8% to \$83 a tonne. Other steelmaking ingredients also traded lower, with Dalian coking coal down as much as 0.8% at 1,319.50 yuan a tonne, while coke slumped 3.2% to 1,887 yuan, its weakest since Jan. 4 this year. **For more information please visit <https://tinyurl.com/y35fncqh> (J. Szkopek)**

Dom Development

Hold – 2019-07-03

Target price: PLN 79.80

Q2 Earnings Conference Highlights

■ **Market outlook:** (1) After a period of strong price increase in 2018 and Q1'19, Dom Development is observing a certain slowdown in the growth rate of housing prices. It still emphasizes a demand is strong and – in its opinion – buyers has accepted the price increase for now. (2) Construction costs continued to increase in Q1 but some stabilization takes place on the market (3) In Dom's opinion, housing market allows it to generate reasonable margins. (4) At the same time, CEO pointed out the land purchase market is still very difficult and high land prices persistently keep going, particularly in Warsaw.

■ **Offer:** At the end of Q2'19, Dom Development's housing inventory consisted of 3,166 flats (+13% y/y, +20% q/q).

■ **Supply:** During the second quarter DOM put up for sale 9 projects (16 phases) with more than 1,000 units and maintained the target of flats listed for sale at ~3,900 in 2019 (up 8% y/y) out of which 2,050 units has been listed for sale in 1H. 300-350 units will be added in Q3 and ca. 1,500 in Q4. To remind, based on Dom's previously market filing, out of this number 2,100 flats will be launched in Warsaw (slightly less than 20% y/y), 1,200 in the TriCity (offer significantly expanded; nearly 70% y/y) and more than 500 in Wrocław (nearly +50% y/y).

■ **Land bank:** In 2Q'19 Dom Development failed any new purchase agreement for land plot. At the end of Q2'19 its land bank totaled 6,813 units (-4% y/y and -12% q/q). The company also has land plots secured under preliminary agreements for additional 5,208 units (+63% y/y), which translates into the increase of the total number of homes in land bank (defined in such a way) by +17% y/y (3.5x of yearly volume of sales). The land bank in TriCity was extended significantly, whereas the one in Warsaw still remains limited (2.4x). The number of flats under construction at the same time was 5,372 (-16% y/y, +6% q/q).

■ **Home closings & 2019 results:** The Company maintained the target of ~3,500 flats handed over in 2019 (*in line with our expectations*). ~850 units is expected to be handed over in Q3 and ~1,000 units in Q4'19. In the whole 2019 average price of apartments handed over should amount to ca. 480 PLNk (*translating into a revenue of PLN 1,680m, in line with our forecast*). At the same time, the developer's margin in 2H'19 should be visibly lower compared to this one reported in 1H. CFO suggested a gross margin in the whole 2019 should be close to 27.5% reported in 2018 (*above our expectations of 26.4%*). **(A. Szklarczyk)**

More News

Banking

Poland's total stock of corporate loans edged up 0.6%, or by PLN 2.0 bln in July, with zloty-denominated corporate loan book holding flat and the zloty value of the FX portfolio soaring 2.1%, data from the central bank indicated.

The Polish banking system's portfolio of consumer loans rose by PLN 2.24 bln or 1.1% m/m in July to PLN 200.3 bln, data from the National Bank of Poland showed.

Poland's total stock of housing loans edged up by 1.3% or PLN 5.6 bln in July to PLN 449.5 bln on a 1.5% increase of the PLN-denominated mortgage book and a 0.6% increase in the zloty-value of FX loan stocks, data from the central bank showed.

Benefit

Listed employee benefit program operator Benefit Systems beat consensus on the bottom line despite having fallen short of market expectations on EBIT and EBITDA levels, Q2 financial statements out late Thursday showed.

Listed employee benefit program operator Benefit Systems expects its earnings to return to the upward trajectory in 2020, management board member Adam Radzki told PAP.

Coal

Polish coal miners are conducting a review of operations and prospects and the first conclusions from the process should appear in early September; those conclusions may form a basis for updates of corporate strategies, deputy Energy Minister Adam Gaweda told PAP.

Electric Goods

Listed electric appliance producer Radpol expects its EBITDA to increase in 2019 and maintains its strategic goal for PLN 27 mln in EBITDA in 2021, CEO Anna Kulach told a newsconference.

Elektrobudowa

Listed power engineering and construction group Elektrobudowa will seek some PLN 18 mln in bridge financing in September ahead of a possible two share issues: PLN 8-10 mln for existing shareholders and PLN 30-60 mln for a sector investor, management said of its rescue outlook in a market filing. The rights issue would come September-October. Management likewise has a cost cutting plan through 2021 and some debt refinancing hopes.

ES-System

Listed lighting system producer ES-System expects its revenues to grow at least at a single-digit pace in Q3, CEO Rafal Gawrylak told PAP.

Grupa Azoty

Listed chemicals group Azoty signed a 4-year framework deal on supplying urea to the Kronospan group, a chipboard producer, Azoty said in a market filing.

Hollywood

Listed laundry service provider Hollywood shareholders approved a buyback of 1.8 mln own shares for no less than PLN 0.85 and no more than PLN 1 apiece, the company said in a market filing.

Rafako

Listed engineering firm Rafako will seek PLN 194.5 mln in contract revaluations from Enea, Tauron and a Lithuanian partner and will book PLN 134.1 mln in additional costs of the contracts in H1 if it fails to reach agreement with partners, Rafako said in a market filing.

Listed engineering firm Rafako continues to plan paying out a dividend after completing the Jaworzno power unit project, and will strive to increase its backlog currently standing at some PLN 2.5 bln, Rafako said in a press statement.

Ursus

Troubled tractor producer Ursus had its restructuring proceedings terminated by its court supervisor, a decision the company is going to complain about, Ursus said in a market filing. Also, unit Ursus Bus suffered a court setback as the court in Lublin refused to open accelerated restructuring proceedings for the firm, Ursus said in a separate filing.

ZM Kania

Defaulted meats producer Henryk Kania filed a complaint with regulators concerning a conditional offer placed by rival Tarczynski to purchase unspecified Kania assets, Kania said in a market filing. The offer could represent an attempt to manipulate security prices, given that it was submitted to the court receiver and not to management, suggesting a liquidation proceeding is expected, Kania argues.

Corporate Action Calendar

Date	Time	Company	Event
26-Aug		Asseco Poland	Q2'19 earnings announcement
26-Aug		Play	Q2'19 earnings announcement
27-Aug		11 bit studios	Q2'19 earnings announcement
27-Aug		Wirtualna Polska	Q2'19 earnings announcement
28-Aug		AmRest	Q2'19 earnings announcement
28-Aug		Eurocash	Q2'19 earnings announcement
28-Aug		Lokum	Q2'19 earnings announcement
28-Aug		Neuca	Q2'19 earnings announcement
28-Aug		VRG	Q2'19 earnings announcement
29-Aug		BNP Paribas	Q2'19 earnings announcement
29-Aug		CD Projekt	Q2'19 earnings announcement
29-Aug		Cyfrowy Polsat	Q2'19 earnings announcement
29-Aug		JWC	Q2'19 earnings announcement
29-Aug		PZU	Q2'19 earnings announcement
29-Aug		Stelmet	Q3'19 earnings announcement
29-Aug		Trakcja	Q2'19 earnings announcement
29-Aug		Unibep	Q2'19 earnings announcement
30-Aug		Capital Park	Q2'19 earnings announcement
30-Aug		Comarch	Q2'19 earnings announcement
30-Aug		Pozbud	Q2'19 earnings announcement
2-Sep		Famur	Q2'19 earnings announcement
3-Sep		Atal	Q2'19 earnings announcement
3-Sep		CCC	Q2'19 earnings announcement
5-Sep		Erbud	Q2'19 earnings announcement
5-Sep		Grupa Azoty	Q2'19 earnings announcement
5-Sep		Kruk	Q2'19 earnings announcement
5-Sep		TXM	Q2'19 earnings announcement
6-Sep		Agora	Q2'19 earnings announcement
6-Sep		Ergis	Q2'19 earnings announcement
6-Sep		Torpol	Q2'19 earnings announcement

Economic Calendar

Monday, 26 August 2019					
Time	Region	Data	Period	Forecast	Previous
07:00	Japan	Leading Indicators Index (F)	June		94.90
10:00	Germany	IFO Business Climate	August		95.70
	Poland	Unemployment Rate	July		5.30%
Tuesday, 27 August 2019					
Time	Region	Data	Period	Forecast	Previous
08:45	France	Consumer Confidence Index	August		102
15:00	USA	House Price Index	June		0.10% m/m; 1.15% q/q
16:00	USA	Richmond Fed Index	August		-12
Wednesday, 28 August 2019					
Time	Region	Data	Period	Forecast	Previous
10:00	EU	M3 Money Supply	July		4.50% y/y
Thursday, 29 August 2019					
Time	Region	Data	Period	Forecast	Previous
07:00	Japan	Industrial Production (P)	July		-3.30% m/m; -3.80% y/y
08:00	Germany	Import Price Index	July		-1.40% m/m; -2.00% y/y
14:30	USA	GDP Deflator	Q2		0.90% q/q
14:30	USA	GDP	Q2		3.10% q/q; 3.20% y/y
14:30	USA	PCE	Q2		0.90% q/q; 2.70% y/y
14:30	USA	Core PCE	Q2		1.70% y/y
Friday, 30 August 2019					
Time	Region	Data	Period	Forecast	Previous
01:30	Japan	Tokyo Area CPI	August		0.90% y/y
01:50	Japan	Retail Trade	July		0.50% y/y
08:45	France	PPI	June		-0.20% m/m; 0.20% y/y
10:00	Poland	GDP (P)	Q2		0.80% q/q; 4.40% y/y
10:30	UK	M4 Money Supply	July		0.10% m/m; 2.30% y/y
10:30	UK	Mortgage Approvals	July		66 440

Current Recommendations by Dom Maklerski mBanku

Company	Recommendation	Issued On	Price At Reco.	Target Price	Current Price	Upside/Downside	P/E		EV/EBITDA	
							2019	2020	2019	2020
Financial Sector						+23.6%	10.2	9.7		
Alior Bank	buy	2019-07-03	51.10	72.30	41.68	+73.5%	7.5	5.8		
Handlowy	accumulate	2019-07-03	53.60	59.45	50.00	+18.9%	12.6	10.4		
ING BSK	hold	2019-08-02	189.80	191.80	190.00	+0.9%	14.9	13.3		
Millennium	buy	2019-08-02	7.51	10.00	7.24	+38.1%	11.9	8.6		
Pekao	buy	2019-08-02	99.88	119.75	97.52	+22.8%	11.2	9.8		
PKO BP	buy	2019-08-02	39.34	47.17	39.54	+19.3%	11.2	10.9		
Santander Bank Polska	hold	2019-08-02	319.60	337.00	306.80	+9.8%	13.3	10.9		
Komercni Banka	accumulate	2019-08-02	872.00	1,000 CZK	818.00	+22.2%	10.2	9.8		
Erste Bank	buy	2019-02-04	31.00	43.72 EUR	29.95	+46.0%	8.6	8.0		
OTP Bank	hold	2019-08-02	12,080	13,046 HUF	12,350	+5.6%	10.2	9.7		
PZU	hold	2019-07-03	44.35	43.38	37.49	+15.7%	10.0	9.4		
Kruk	buy	2019-04-02	152.30	213.65	166.00	+28.7%	9.3	9.2		
Skarbiec Holding	buy	2019-06-03	16.50	28.17	16.80	+67.7%	5.8	5.0		
Chemicals						+21.6%	6.8	12.1	4.6	6.0
Ciech	hold	2019-07-03	41.60	41.72	34.80	+19.9%	6.9	7.2	4.8	4.8
Grupa Azoty	hold	2019-08-02	42.30	45.93	37.50	+22.5%	6.7	17.0	4.4	7.1
Oil & Gas						+14.3%	10.8	9.6	4.7	4.7
Lotos	sell	2019-08-02	88.66	72.31	80.30	-10.0%	12.2	11.3	6.3	5.3
MOL	accumulate	2019-08-02	3,004	3,258 HUF	2,846	+14.5%	10.3	9.1	4.3	4.1
PGNIG	accumulate	2019-08-02	5.62	6.33	4.69	+34.9%	11.3	7.8	4.4	3.4
PKN Orlen	hold	2019-08-01	97.36	92.82	89.84	+3.3%	8.5	10.1	5.1	5.4
Power Utilities						+40.7%	3.7	4.1	3.7	3.6
CEZ	accumulate	2019-06-25	544.00	597.80 CZK	519.00	+15.2%	15.5	13.4	7.4	6.9
Enea	buy	2019-06-25	8.53	12.41	8.14	+52.5%	3.0	2.8	3.1	2.9
Energa	buy	2019-06-25	7.33	12.67	6.50	+94.9%	3.7	4.1	3.7	4.0
PGE	buy	2019-06-25	9.00	13.26	7.48	+77.3%	4.6	5.1	3.0	3.2
Tauron	buy	2019-06-25	1.57	2.52	1.47	+71.9%	2.3	2.2	4.0	3.6
Telecoms, Media, IT						+3.5%	18.8	15.2	5.9	5.8
Netia	hold	2018-11-26	4.66	4.70	4.59	+2.4%	30.8	25.6	5.3	5.3
Orange Polska	accumulate	2019-08-02	6.70	7.50	5.98	+25.5%	38.7	24.3	4.8	4.6
Play	accumulate	2019-08-02	31.22	34.20	29.94	+14.2%	8.7	7.9	5.9	5.9
Agora	buy	2018-11-27	9.50	16.00	11.50	+39.1%	38.2	20.3	5.2	4.8
Cyfrowy Polsat	reduce	2019-05-31	26.00	24.15	27.86	-13.3%	14.6	12.5	7.0	6.8
Wirtualna Polska	hold	2019-07-03	61.20	61.50	60.00	+2.5%	18.8	16.0	10.0	8.8
Asseco Poland	hold	2019-06-03	51.10	50.80	55.35	-8.2%	14.8	14.4	4.7	4.4
Comarch	buy	2019-07-25	178.50	231.00	176.00	+31.3%	15.2	13.8	6.4	5.8
11 bit studios	buy	2019-05-20	398.00	518.00	404.00	+28.2%	27.1	38.6	19.0	23.5
CD Projekt	accumulate	2019-05-09	215.00	237.50	240.40	-1.2%	-	11.8	-	8.8
Industrials, Mining						+17.4%	6.6	9.4	4.9	4.6
Cognor	hold	2019-07-25	1.75	1.84	1.65	-5.7%	7.8	10.7	4.9	5.1
Famur	buy	2019-08-07	4.42	5.33	3.75	+42.1%	4.8	8.6	3.9	4.5
Grupa Kęty	hold	2019-07-03	337.00	345.32	300.00	+15.1%	11.6	11.0	8.3	7.9
JSW	accumulate	2019-07-03	47.00	50.02	31.86	+57.0%	3.6	9.4	0.5	1.1
Kemel	reduce	2019-08-19	48.60	42.70	44.00	-3.0%	4.6	8.3	5.0	5.8
KGHM	hold	2019-08-22	74.90	77.51	75.64	+2.5%	6.6	9.3	3.8	4.4
Stelmet	hold	2019-07-03	7.00	7.95	6.20	+28.2%	9.2	9.6	4.9	4.6
Property Developers						+10.0%	8.2	7.9	7.5	7.4
Atal	accumulate	2019-07-03	36.60	41.89	34.10	+22.8%	7.3	7.7	6.9	7.3
Dom Development	hold	2019-07-03	77.40	79.80	80.20	-0.5%	9.0	8.1	8.1	7.5
Retail						+7.1%	35.4	20.0	9.0	8.2
AmRest	buy	2019-04-02	41.20	48.00	40.40	+18.8%	38.0	27.7	12.9	10.3
CCC	hold	2019-06-06	153.80	161.00	129.90	+23.9%	48.5	20.0	6.7	5.3
Dino	hold	2019-08-23	149.60	149.20	147.10	+1.4%	35.4	25.7	20.5	15.4
Eurocash	hold	2019-08-02	18.60	18.10	18.47	-2.0%	35.7	25.3	7.7	6.8
Jeronimo Martins	hold	2019-05-09	13.89	14.30 EUR	14.46	-1.1%	20.5	18.4	9.0	8.2
LPP	accumulate	2019-07-03	7,745.00	8,500.00	7,180.00	+18.4%	19.6	17.7	9.9	8.9
VRG	buy	2019-07-26	4.20	5.20	4.28	+21.5%	13.6	11.8	8.5	7.2



Current Calls by Dom Maklerski mBanku

Company	Relative Positioning	Rated On	Price At Rating	Current Price	Change	P/E		EV/EBITDA	
						2019	2020	2019	2020
IT						11.4	10.7	4.9	4.6
Ailleron	neutral	2019-06-28	8.40	7.60	-9.5%	9.8	8.9	3.4	2.5
Asseco BS	neutral	2019-03-29	29.50	27.60	-6.4%	14.0	13.0	9.4	8.7
Asseco SEE	overweight	2019-04-11	14.20	17.90	+26.1%	13.1	12.5	5.4	5.0
Atende	neutral	2019-01-31	4.40	3.66	-16.8%	9.2	8.6	4.4	4.3
Industrials						9.1	9.2	6.0	6.0
AC	neutral	2019-03-22	48.50	45.20	-6.8%	10.0	9.1	6.8	6.3
Alumetal	underweight	2019-05-29	51.00	35.50	-30.4%	8.7	9.5	6.6	7.0
Amica	neutral	2019-04-29	130.00	108.20	-16.8%	7.1	6.8	4.7	4.4
Apator	neutral	2019-04-29	25.80	23.30	-9.7%	11.1	10.8	7.1	6.9
Boryszew	underweight	2019-07-26	4.49	4.48	-0.3%	9.9	9.3	7.6	7.4
Ergis	neutral	2019-05-29	3.00	2.45	-18.3%	6.6	7.3	4.8	4.8
Forte	neutral	2019-04-29	40.60	24.85	-38.8%	12.4	10.8	8.5	7.8
Impexmetal	underweight	2019-04-25	4.16	4.22	+1.4%	5.6	5.8	5.9	5.7
Kruszwica	neutral	2019-04-02	43.90	42.70	-2.7%	10.2	9.3	5.4	4.9
Mangata	neutral	2019-05-29	69.50	68.00	-2.2%	9.1	10.4	6.2	6.7
Pfleiderer Group	underweight	2019-07-29	28.00	25.70	-8.2%	52.6	24.9	6.9	6.5
Pozbud	overweight	2019-04-29	2.37	2.16	-8.9%	2.6	2.8	2.5	1.9
Tarczyński	neutral	2019-05-29	15.40	16.40	+6.5%	7.1	6.0	5.0	4.6
TIM	overweight	2019-04-29	7.90	8.00	+1.3%	9.1	8.0	5.5	4.9
Retail						9.5	9.4	4.6	3.8
Monnari	neutral	2019-07-17	4.66	4.81	+3.2%	9.5	9.4	4.6	3.8

CEE bank valuations

	Price	2019	P/E 2020	2021	2019	ROE 2020	2021	2019	P/BV 2020	2021	2019	DY 2020	2021
Polish banks													
Alior Bank	41.68	7.5	5.8	5.0	10%	12%	12%	0.7	0.7	0.6	0.0%	0.0%	0.0%
Handlowy	50.00	12.6	10.4	9.7	7%	9%	9%	0.9	0.9	0.9	7.5%	8.4%	7.2%
ING BSK	190.00	14.9	13.3	12.0	12%	13%	13%	1.8	1.7	1.5	1.8%	2.0%	2.3%
Millennium	7.24	11.9	8.6	7.7	8%	11%	11%	1.0	0.9	0.8	0.0%	0.0%	0.0%
Pekao	97.52	11.2	9.8	9.2	10%	11%	11%	1.1	1.1	1.0	6.8%	6.7%	7.6%
PKO BP	39.54	11.2	10.9	10.2	11%	11%	11%	1.2	1.1	1.1	3.4%	7.8%	9.5%
Santander BP	306.80	13.3	10.9	10.1	9%	11%	11%	1.2	1.2	1.1	6.4%	3.8%	4.6%
Median		11.9	10.4	9.7	10%	11%	11%	1.1	1.1	1.0	3.4%	3.8%	4.6%
Investors in Polish banks													
BCP	0.202	7.0	5.9	4.8	8%	9%	10%	0.5	0.5	0.4	2.5%	5.4%	6.4%
Citigroup	61.950	8.2	7.2	6.5	10%	10%	10%	0.8	0.7	0.6	3.2%	3.7%	4.2%
Commerzbank	4.851	6.4	5.0	4.5	3%	4%	4%	0.2	0.2	0.2	4.7%	6.2%	7.3%
ING	8.412	6.4	6.2	5.9	10%	10%	10%	0.6	0.6	0.5	8.3%	8.5%	8.9%
UCI	9.453	5.0	4.8	4.6	8%	8%	7%	0.4	0.4	0.3	6.1%	8.0%	9.4%
Median		6.4	5.9	4.8	8%	9%	10%	0.5	0.5	0.4	4.7%	6.2%	7.3%
Foreign banks													
Erste Bank	29.95	8.6	8.0	-	10%	10%	-	0.8	0.8	-	4.7%	4.9%	-
Komercni Banka	818.00	10.2	9.8	-	14%	14%	-	1.4	1.3	-	6.4%	6.4%	-
OTP	12,350	10.2	9.7	-	16%	14%	-	1.5	1.3	-	1.9%	2.4%	-
Akbank	6.95	7.1	4.7	3.8	11%	14%	15%	0.7	0.6	0.6	2.6%	4.3%	6.0%
Alpha Bank	1.48	16.6	9.3	6.7	1%	3%	4%	0.3	0.3	0.3	0.0%	0.5%	0.0%
Banco Santander	3.47	6.8	6.4	6.1	8%	8%	9%	0.6	0.5	0.5	6.6%	7.0%	7.3%
Deutsche Bank	6.26	12.6	8.8	6.5	2%	2%	3%	0.2	0.2	0.2	2.9%	4.0%	5.1%
Eurobank Ergasias	0.70	9.2	6.5	5.4	4%	7%	8%	0.5	0.4	0.4	0.0%	0.0%	0.0%
National Bank of Greece	2.28	16.3	10.3	8.3	2%	4%	5%	0.4	0.4	0.4	0.0%	0.4%	0.0%
Piraeus Bank	2.74	17.1	10.3	7.6	2%	3%	4%	0.2	0.2	0.2	0.0%	1.1%	0.0%
Sberbank	219.50	5.3	4.7	4.2	22%	22%	21%	1.1	1.0	0.9	9.1%	10.6%	12.3%
Türkiye Garanti Bank	9.05	5.6	4.1	3.4	12%	16%	18%	0.7	0.6	0.6	3.8%	4.9%	5.3%
Türkiye Halk Bank	5.65	2.6	2.1	1.7	9%	9%	9%	0.2	0.2	0.2	2.8%	2.0%	2.2%
Türkiye Vakıflar Bankası	4.54	3.3	2.6	1.9	13%	12%	15%	0.4	0.3	0.3	0.9%	1.0%	1.1%
VTB Bank	0.04	3.8	3.8	2.9	12%	12%	13%	0.4	0.4	0.3	7.9%	7.9%	10.5%
Yapi ve Kredi Bankası	2.51	5.4	3.9	3.6	10%	13%	12%	0.5	0.4	0.4	0.0%	1.2%	-
Median		7.8	6.5	4.2	10%	11%	9%	0.5	0.4	0.4	2.7%	3.2%	3.6%

Insurance company valuations

	Price	2019	P/E 2020	2021	2019	ROE 2020	2021	2019	P/BV 2020	2021	2019	DY 2020	2021
Insurers													
PZU	37.49	10.0	9.4	9.2	22%	23%	23%	2.1	2.1	2.1	7.9%	8.0%	8.5%
Aegon	3.44	4.9	4.8	4.6	8%	7%	8%	0.3	0.3	0.3	8.9%	9.3%	9.8%
Allianz	197.08	10.4	9.8	9.1	13%	12%	13%	1.3	1.2	1.1	4.8%	5.2%	5.5%
Assicurazioni Generali	16.17	9.9	9.7	9.1	11%	11%	11%	1.0	1.0	0.9	5.9%	6.3%	6.7%
Aviva	3.61	5.7	5.7	5.6	13%	13%	14%	0.8	0.8	0.8	8.9%	9.3%	9.5%
AXA	21.25	7.8	7.4	7.2	11%	11%	11%	0.8	0.8	0.8	6.9%	7.2%	7.6%
Baloise	180.60	13.9	12.7	11.7	9%	10%	10%	1.3	1.2	1.2	3.5%	3.8%	4.1%
Helvetia	128.30	12.6	12.1	11.5	11%	10%	12%	1.2	1.1	1.1	3.9%	4.1%	7.1%
Mapfre	2.39	9.0	8.4	8.1	10%	10%	10%	0.9	0.9	0.8	6.5%	6.9%	7.2%
RSA Insurance	5.31	11.6	10.7	10.2	12%	13%	12%	1.4	1.3	1.3	5.2%	6.0%	6.6%
Uniq	8.25	11.5	10.8	10.0	7%	7%	8%	0.9	0.9	0.8	6.8%	6.9%	7.2%
Vienna Insurance G.	23.25	9.5	8.8	8.3	7%	7%	7%	0.6	0.6	0.6	4.5%	4.8%	5.2%
Zurich Financial	347.40	12.7	11.7	11.1	13%	14%	14%	1.7	1.6	1.5	5.8%	6.1%	6.5%
Median		10.0	9.7	9.1	11%	11%	11%	1.0	1.0	0.9	5.9%	6.3%	7.1%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg

Gas & Oil valuations

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Oil companies																
Lotos	80.30	6.3	5.3	4.6	0.7	0.6	0.5	12.2	11.3	10.3	10%	11%	12%	3.7%	2.5%	2.7%
MOL	2846.00	4.3	4.1	3.7	0.6	0.6	0.5	10.3	9.1	7.9	15%	15%	15%	5.0%	5.3%	5.5%
PKN Orlen	89.84	5.1	5.4	5.2	0.4	0.4	0.4	8.5	10.1	10.3	9%	8%	7%	3.9%	3.3%	3.3%
Hellenic Petroleum	9.18	6.1	5.3	5.5	0.5	0.5	0.5	10.8	8.2	7.9	8%	9%	8%	5.4%	5.6%	6.8%
HollyFrontier	43.63	5.8	5.1	5.5	0.6	0.6	0.6	9.6	7.6	8.6	11%	12%	11%	3.1%	3.2%	3.2%
Marathon Petroleum	45.76	6.3	4.9	4.8	0.5	0.5	0.5	9.0	5.6	5.4	8%	10%	11%	4.7%	5.2%	5.8%
Motor Oil	21.10	4.5	4.1	4.3	0.3	0.3	0.3	7.6	6.9	6.7	6%	7%	7%	6.5%	6.8%	7.4%
Neste Oil	28.40	10.3	9.8	9.2	1.4	1.4	1.4	16.3	15.0	14.2	14%	15%	15%	3.1%	3.4%	3.6%
OMV	45.86	3.8	3.5	3.4	0.9	0.9	0.9	8.7	7.6	7.3	24%	26%	26%	4.2%	4.6%	4.9%
Phillips 66	95.18	7.9	6.5	6.8	0.5	0.5	0.5	12.8	9.0	9.6	7%	8%	8%	3.6%	3.9%	4.1%
Saras SpA	1.36	3.1	2.2	3.1	0.1	0.1	0.1	8.8	4.3	7.4	4%	6%	4%	6.3%	10.5%	7.3%
Tupras	132.00	6.4	4.7	4.6	0.4	0.4	0.4	9.1	5.6	5.2	7%	8%	8%	9.3%	15.3%	16.5%
Valero Energy	74.18	6.2	4.6	5.0	0.4	0.3	0.3	11.0	6.8	7.4	6%	7%	7%	4.8%	5.2%	5.6%
Median		6.1	4.9	4.8	0.5	0.5	0.5	9.6	7.6	7.9	8%	9%	8%	4.7%	5.2%	5.5%
Gas companies																
PGNiG	4.69	4.4	3.4	2.8	0.8	0.7	0.6	11.3	7.8	6.5	18%	22%	22%	2.3%	3.5%	5.1%
AZA SpA	1.56	7.2	6.6	6.4	1.3	1.3	1.2	15.3	13.3	13.0	19%	19%	19%	5.1%	5.1%	5.2%
BP	488.00	4.3	4.0	4.0	0.6	0.6	0.6	10.8	9.4	9.1	14%	15%	15%	0.0%	0.0%	0.0%
Centrica	65.54	3.4	3.3	3.3	0.3	0.3	0.3	7.2	6.0	5.6	8%	8%	8%	0.0%	0.0%	0.0%
Enagas	19.87	9.4	9.0	9.7	7.6	7.6	7.9	11.2	10.3	11.1	81%	84%	82%	8.0%	8.4%	8.5%
Endesa	23.07	8.5	8.4	8.3	1.5	1.5	1.4	16.1	15.8	15.5	18%	17%	17%	6.2%	6.3%	5.5%
Engie	13.42	6.2	5.9	5.6	0.9	0.9	0.9	12.8	11.4	10.4	15%	15%	16%	5.8%	6.2%	6.8%
Eni	13.14	3.3	3.1	3.0	0.8	0.8	0.9	10.3	9.1	8.7	24%	26%	28%	6.5%	6.7%	6.8%
Equinor	151.70	2.6	2.3	2.2	1.0	0.9	0.9	8.9	7.9	7.5	37%	38%	40%	0.1%	0.1%	0.1%
Gas Natural SDG	23.52	9.3	8.9	8.7	1.7	1.6	1.5	16.5	15.2	14.6	18%	18%	18%	5.8%	6.1%	6.4%
Gazprom	229.35	3.6	3.4	3.2	1.0	1.0	0.9	4.9	4.5	3.7	27%	28%	28%	5.3%	6.0%	7.5%
Hera SpA	3.50	7.5	7.3	7.3	1.3	1.2	1.2	17.9	17.6	16.8	17%	17%	17%	3.0%	3.1%	3.1%
NovaTek	1272.60	14.0	13.1	13.1	4.7	4.4	4.2	12.1	12.4	11.4	34%	34%	32%	2.1%	2.6%	3.0%
ROMGAZ	33.15	5.9	5.4	5.0	2.7	2.6	2.4	10.1	9.2	8.5	46%	48%	47%	9.5%	9.8%	9.7%
Shell	25.03	3.1	2.9	2.7	0.5	0.5	0.5	10.2	8.8	8.5	16%	17%	18%	8.4%	8.5%	8.6%
Snam SpA	4.43	12.5	12.2	11.8	10.1	9.9	9.6	14.2	13.8	13.2	81%	81%	81%	5.4%	5.7%	5.9%
Total	43.58	4.7	4.4	4.3	0.8	0.8	0.8	10.2	9.1	8.8	18%	19%	19%	6.8%	7.0%	7.2%
Median		5.9	5.4	5.0	1.0	1.0	0.9	11.2	9.4	9.1	18%	19%	19%	5.4%	6.0%	5.9%

Power generation company valuations

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Power generation																
CEZ	519.00	7.4	6.9	6.8	2.1	1.9	1.8	15.5	13.4	13.5	29%	28%	27%	4.6%	5.8%	6.7%
Enea	8.14	3.1	2.9	2.7	0.6	0.6	0.6	3.0	2.8	2.3	20%	19%	22%	0.0%	0.0%	3.6%
Energia	6.50	3.7	4.0	4.3	0.7	0.7	0.8	3.7	4.1	4.1	18%	17%	18%	0.0%	0.0%	0.0%
PGE	7.48	3.0	3.2	2.3	0.6	0.6	0.5	4.6	5.1	3.6	21%	18%	22%	0.0%	5.5%	4.9%
Tauron	1.47	4.0	3.6	3.2	0.7	0.6	0.6	2.3	2.2	1.9	17%	17%	19%	0.0%	0.0%	0.0%
EDF	10.42	4.8	4.4	4.2	1.1	1.1	1.0	14.8	11.1	9.9	23%	24%	25%	3.4%	4.4%	4.7%
EDP	3.35	8.5	8.2	7.9	2.1	2.0	1.8	14.8	13.8	13.2	24%	25%	23%	5.7%	5.8%	6.0%
Endesa	23.07	8.5	8.4	8.3	1.5	1.5	1.4	16.1	15.8	15.5	18%	17%	17%	6.2%	6.3%	5.5%
Enel	6.22	7.1	6.7	6.5	1.6	1.5	1.5	13.4	12.3	11.7	22%	23%	23%	5.2%	5.7%	6.0%
EON	8.11	7.1	5.4	4.8	1.1	0.6	0.5	11.8	11.3	10.6	16%	11%	10%	5.7%	6.1%	6.6%
Fortum	19.68	13.9	12.8	12.3	4.2	4.1	4.0	15.6	13.5	12.3	30%	32%	32%	5.6%	5.6%	5.6%
Iberdola	9.26	10.4	9.7	9.1	2.8	2.6	2.5	18.1	16.7	15.7	27%	27%	28%	4.0%	4.2%	4.5%
National Grid	853.00	11.2	10.7	10.1	3.6	3.5	3.4	14.7	14.7	13.8	32%	33%	34%	0.0%	0.0%	0.0%
Red Electrica	17.45	9.0	9.2	9.2	7.1	7.1	7.2	13.0	13.5	13.8	78%	78%	77%	6.0%	6.1%	6.0%
RWE	25.15	15.3	7.9	6.8	1.8	1.5	1.5	24.0	14.3	10.7	12%	20%	22%	3.2%	3.7%	4.2%
SSE	1124.00	10.5	9.1	8.4	0.7	0.7	0.7	16.8	11.8	10.5	7%	8%	8%	0.0%	0.0%	0.0%
Verbund	54.00	10.2	8.3	7.8	3.6	3.3	3.2	34.9	26.4	24.7	36%	40%	41%	1.2%	1.7%	2.0%
Median		8.5	7.9	6.8	1.6	1.5	1.5	14.8	13.4	11.7	22%	23%	23%	3.4%	4.4%	4.7%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg

Fertilizer producers and chemical companies

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Fertilizer producers																
Grupa Azoty	37.50	4.4	7.1	8.3	0.6	0.6	0.7	6.7	17.0	17.2	13%	9%	9%	0.0%	0.0%	1.8%
Acron	4710.00	6.7	6.5	6.2	2.2	2.1	2.0	9.4	8.9	8.3	33%	32%	32%	6.9%	7.2%	8.5%
CF Industries	47.12	10.3	9.1	8.8	3.6	3.5	3.5	23.6	17.4	15.0	35%	38%	39%	2.6%	2.6%	2.6%
Israel Chemicals	1581.00	6.7	6.4	6.2	1.4	1.4	1.3	11.5	10.5	10.1	21%	21%	21%	0.0%	0.0%	0.0%
K+S	13.81	7.6	6.6	6.1	1.4	1.4	1.3	11.4	8.8	7.4	19%	21%	22%	3.2%	4.4%	5.1%
Phosagro	2425.00	5.8	5.5	5.3	1.8	1.7	1.6	9.1	9.4	5.6	31%	32%	30%	6.3%	6.0%	7.7%
The Mosaic Company	18.01	5.2	4.6	4.3	1.1	1.0	1.0	10.4	7.7	6.5	21%	23%	24%	1.0%	1.2%	1.6%
Yara International	372.40	53.2	45.8	41.6	8.2	7.6	7.1	-	-	-	15%	17%	17%	0.3%	0.4%	0.5%
ZA Police	14.20	5.2	4.7	4.7	1.2	1.2	1.2	1.3	1.2	1.1	23%	24%	24%	58.5%	63.4%	70.4%
ZCh Pulawy	89.40	1.9	1.9	1.9	0.3	0.3	0.3	5.5	5.7	-	15%	14%	14%	5.6%	5.6%	-
Median		6.3	6.4	6.1	1.4	1.4	1.3	9.4	8.9	7.8	21%	22%	23%	2.9%	3.5%	2.6%
Chemical companies																
Ciech	34.80	4.8	4.8	4.7	0.9	0.9	0.8	6.9	7.2	7.5	18%	19%	17%	0.0%	2.9%	6.9%
Akzo Nobel	81.05	15.0	13.0	12.0	2.0	1.9	1.9	26.9	19.8	17.5	13%	15%	16%	2.3%	2.6%	3.0%
BASF	58.07	7.5	6.8	6.5	1.1	1.1	1.1	10.7	9.8	9.1	15%	16%	16%	5.6%	5.8%	6.0%
Croda	4580.00	14.9	14.0	13.2	4.7	4.5	4.4	22.1	20.5	19.5	32%	32%	33%	0.0%	0.0%	0.0%
Sisecam	4.27	3.3	2.8	2.5	0.7	0.6	0.6	4.5	4.0	3.9	21%	22%	22%	5.4%	6.0%	7.1%
Soda Sanayii	5.64	3.0	2.4	2.0	0.8	0.7	0.7	4.1	3.6	3.3	27%	29%	34%	10.6%	13.3%	18.3%
Solvay	88.62	4.9	4.7	4.5	1.1	1.0	1.0	10.3	9.6	8.6	22%	22%	22%	4.3%	4.5%	4.7%
Tata Chemicals	553.25	7.8	7.1	6.5	1.4	1.3	1.2	13.4	11.6	10.6	18%	19%	19%	2.1%	2.4%	2.4%
Tessenderlo Chemie	26.10	5.3	4.9	4.4	0.7	0.7	0.6	11.1	9.9	9.0	13%	14%	14%	-	-	-
Wacker Chemie	68.22	5.5	5.2	4.8	0.9	0.9	0.9	17.0	13.9	11.1	17%	17%	18%	3.6%	3.9%	4.5%
Median		5.4	5.1	4.8	1.0	1.0	0.9	10.9	9.8	9.0	18%	19%	19%	3.6%	3.9%	4.7%

Machine and equipment manufacturers

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Industrials																
Famur	3.75	3.9	4.5	5.2	1.0	1.2	1.2	4.8	8.6	11.0	26%	27%	24%	14.1%	10.5%	8.7%
Caterpillar	114.06	7.2	7.1	7.3	1.5	1.5	1.5	9.2	8.7	8.3	21%	21%	21%	3.4%	3.6%	3.5%
Epiroc	99.18	8.1	6.9	6.6	2.0	1.9	1.8	18.8	17.5	16.6	24%	27%	27%	2.5%	2.7%	2.9%
Komatsu	2251.50	5.4	5.3	5.3	1.0	1.0	1.0	8.5	8.3	8.2	19%	19%	19%	4.7%	5.0%	5.1%
Sandvig AG	136.00	7.3	7.0	6.8	1.7	1.6	1.6	12.4	11.7	11.1	23%	23%	23%	3.4%	3.6%	3.9%
Median		7.2	6.9	6.6	1.5	1.5	1.5	9.2	8.7	11.0	23%	22%	22%	3.4%	3.6%	3.9%

Mining company valuations

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Metals																
KGHM	75.64	3.8	4.4	3.8	0.9	0.9	0.8	6.6	9.3	7.9	23%	20%	21%	0.0%	2.0%	3.2%
Anglo American	1666.60	3.5	3.8	3.9	1.2	1.2	1.2	7.0	7.7	8.2	36%	33%	31%	0.0%	0.0%	0.0%
Antofagasta	812.00	4.8	4.8	4.4	2.4	2.3	2.2	14.2	14.0	11.8	50%	49%	52%	0.0%	0.0%	0.0%
BHP Group LTD	35.42	3.6	3.5	3.7	1.9	1.9	1.9	12.6	11.6	13.0	54%	54%	52%	4.4%	3.0%	2.3%
Boliden	198.72	4.1	4.2	4.2	1.1	1.0	1.0	8.3	8.5	8.4	26%	25%	25%	6.2%	6.3%	6.6%
First Quantum	8.41	6.3	4.3	3.9	2.8	2.1	2.0	8.7	5.3	4.2	44%	48%	50%	0.1%	0.2%	0.7%
Freeport-McMoRan	8.83	7.7	6.0	3.9	1.9	1.8	1.5	18.8	10.3	5.4	24%	29%	38%	2.3%	4.2%	5.3%
Fresnillo	684.40	6.7	5.6	4.7	3.0	2.7	2.5	19.2	15.3	11.4	45%	49%	53%	0.0%	0.0%	0.0%
Gold Fields	8937.00	5.4	4.8	4.7	2.3	2.1	2.1	32.2	21.7	20.8	42%	44%	44%	0.0%	0.0%	0.0%
Hudbay Min	4.05	2.5	2.3	2.3	1.0	1.0	0.9	11.9	9.4	7.1	39%	42%	41%	0.3%	0.3%	0.3%
KAZ Minerals	395.50	4.0	3.9	3.7	2.2	2.1	2.0	4.5	4.2	3.8	54%	54%	55%	0.0%	0.0%	0.0%
Lundin Min	5.89	4.8	3.3	3.0	1.9	1.5	1.4	12.1	7.2	6.4	39%	45%	48%	1.2%	1.2%	1.7%
MMC Norilsk Nickel	23.40	6.7	6.5	6.3	3.6	3.5	3.4	9.0	8.9	9.3	55%	54%	55%	9.5%	10.4%	11.6%
OZ Minerals	9.03	5.6	4.6	3.7	2.4	2.1	1.8	17.4	12.6	8.9	44%	45%	48%	2.3%	2.5%	2.8%
Polymetal Intl	1116.00	8.3	7.9	7.7	3.8	3.7	3.6	12.0	11.2	10.7	46%	47%	47%	0.0%	0.0%	0.0%
Polyus	7280.00	7.9	7.6	7.6	5.0	4.9	4.8	12.2	11.4	10.7	64%	64%	63%	4.0%	4.5%	4.8%
Sandfire Resources	5.64	2.2	1.6	1.7	1.1	0.9	1.0	7.7	4.6	4.7	51%	58%	57%	4.8%	7.1%	6.6%
Southern CC	29.55	7.0	6.5	6.1	3.6	3.4	3.2	12.2	11.4	10.4	52%	53%	52%	3.8%	5.3%	6.5%
Median		5.1	4.5	3.9	2.2	2.1	2.0	12.0	9.8	8.7	44%	47%	49%	0.7%	1.6%	2.0%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg

Mining company valuations

Coal	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
JSW	31.86	0.5	1.1	1.5	0.1	0.2	0.2	3.6	9.4	22.0	23%	17%	15%	5.4%	5.6%	5.3%
Alliance Res Partners	15.70	3.3	3.6	3.9	1.1	1.2	1.2	4.1	6.2	7.6	34%	33%	31%	13.7%	14.1%	13.9%
Arch Coal	72.53	2.3	2.8	3.0	0.5	0.5	0.5	4.2	5.6	6.2	20%	17%	16%	2.5%	2.5%	2.5%
Banpu	11.90	7.6	7.6	7.5	1.8	1.8	1.9	6.2	5.9	6.2	24%	23%	25%	6.3%	6.6%	5.6%
BHP Group	46.68	3.5	3.4	3.6	1.9	1.8	1.9	12.3	11.3	12.7	54%	54%	52%	9.9%	6.6%	5.3%
China Coal Energy	2.79	5.1	5.1	4.9	1.0	1.0	0.9	7.0	7.2	6.3	19%	19%	19%	3.0%	2.8%	3.0%
Cloud Peak Energy	0.05	8.8	9.6	11.6	0.5	0.4	0.4	-	-	-	6%	4%	3%	-	-	-
LW Bogdanka	35.60	1.4	1.3	1.4	0.5	0.4	0.4	5.8	5.7	6.0	33%	33%	31%	6.7%	8.6%	6.1%
Natural Res Partners	27.50	1.7	1.7	1.7	1.3	1.3	1.3	4.8	4.5	4.3	79%	80%	80%	6.5%	6.5%	6.5%
Peabody Energy Corp	17.51	2.0	2.2	2.5	0.4	0.4	0.4	8.2	14.4	39.8	20%	19%	17%	12.9%	3.5%	3.1%
PT Bukit Asam Tbk	2490.00	3.7	3.4	3.3	1.1	1.1	1.0	5.3	5.6	5.0	30%	31%	30%	11.3%	12.2%	12.3%
Rio Tinto	3924.50	3.4	3.7	3.8	1.6	1.7	1.8	8.0	8.9	9.7	48%	46%	46%	0.0%	0.0%	0.0%
Semirara Mining&Power	22.65	5.0	4.5	4.2	2.4	2.1	2.1	7.8	6.9	7.1	48%	48%	49%	6.5%	6.8%	8.3%
Shaanxi Heima Coking	3.50	-	-	-	0.7	0.7	0.6	10.0	9.5	11.3	-	-	-	-	-	-
Shanxi Xishan Coal&Ele	5.97	5.5	5.5	5.3	1.0	1.0	1.0	10.3	10.7	-	19%	18%	19%	0.8%	0.7%	0.9%
Shougang Fushan Res	1.65	2.6	2.5	2.7	1.4	1.3	1.3	7.2	6.8	7.4	52%	49%	47%	8.4%	8.8%	6.9%
Stanmore Coal	1.44	2.1	2.7	3.9	0.8	0.9	0.9	4.4	5.8	9.6	37%	33%	23%	5.1%	4.1%	3.5%
Teck Resources	16.23	2.8	3.1	3.3	1.2	1.2	1.2	5.6	6.4	7.5	41%	39%	38%	1.8%	1.7%	2.3%
Terracom	0.41	1.4	1.3	1.3	0.4	0.3	0.3	3.7	2.1	2.5	30%	27%	26%	-	-	-
Warrior Met Coal	20.08	2.1	2.8	3.1	0.8	0.9	1.0	3.2	4.7	5.7	41%	33%	32%	12.8%	8.6%	8.5%
Yanzhou Coal Mining	6.47	4.0	4.1	3.8	1.1	1.1	1.1	4.0	4.1	3.9	28%	27%	29%	6.5%	6.2%	6.7%
Median		3.1	3.2	3.5	1.0	1.0	1.0	5.7	6.3	7.1	31%	32%	29%	6.5%	6.4%	5.5%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg

European telecom valuations

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Polish companies																
Netia	4.59	5.3	5.3	5.2	1.4	1.4	1.4	30.8	25.6	21.8	26%	26%	27%	0.0%	0.0%	8.7%
Orange Polska	5.98	4.8	4.6	4.3	1.4	1.3	1.3	38.7	24.3	17.3	29%	29%	29%	0.0%	0.0%	4.2%
Play	29.94	5.9	5.9	5.5	2.0	2.0	1.9	8.7	7.9	7.8	33%	34%	35%	4.8%	4.4%	4.8%
Median		5.3	5.3	5.2	1.4	1.4	1.4	30.8	24.3	17.3	29%	29%	29%	0%	0.0%	4.8%
Mid Caps																
Proximus	26.20	5.9	5.9	5.9	1.9	1.9	1.9	15.4	14.9	15.1	32%	33%	33%	5.7%	5.7%	5.8%
Telefonica CP	217.00	7.0	7.1	7.2	2.0	2.0	2.0	13.0	13.1	13.3	28%	28%	28%	9.4%	9.1%	8.9%
Hellenic Telekom	12.00	5.0	4.9	4.8	1.8	1.7	1.7	17.1	14.9	13.3	35%	36%	36%	4.6%	5.0%	5.5%
Matav	425.00	4.1	4.0	4.0	1.2	1.2	1.2	9.1	8.9	8.4	30%	30%	30%	6.2%	6.6%	7.2%
Telecom Austria	6.64	5.1	5.0	4.8	1.6	1.6	1.6	10.7	10.1	9.6	32%	32%	33%	3.2%	3.8%	4.1%
Median		5.1	5.0	4.8	1.8	1.7	1.7	13.0	13.1	13.3	32%	32%	33%	5.7%	5.7%	5.8%
Big Caps																
BT	158.94	3.6	3.7	3.6	1.1	1.2	1.2	6.1	6.3	6.0	32%	32%	32%	0.0%	0.0%	0.0%
DT	14.68	5.5	5.2	5.0	1.7	1.7	1.6	14.0	12.6	11.3	32%	32%	33%	5.1%	5.4%	5.8%
KPN	2.73	7.5	7.3	6.9	3.1	3.1	3.2	24.4	20.4	17.6	41%	43%	46%	4.9%	5.2%	5.5%
Orange France	13.40	4.9	4.8	4.8	1.5	1.5	1.5	12.8	11.8	11.0	31%	32%	32%	5.4%	5.7%	5.9%
Swisscom	478.80	7.6	7.6	7.5	2.8	2.8	2.8	16.5	16.7	16.6	37%	37%	38%	4.6%	4.6%	4.6%
Telefonica S.A.	5.94	5.2	5.1	5.0	1.7	1.7	1.7	8.3	7.3	7.1	32%	33%	33%	6.8%	6.8%	7.0%
Telia Company	40.83	8.6	8.5	8.3	2.9	2.9	2.8	16.0	14.9	13.9	34%	34%	34%	6.0%	6.2%	6.3%
TI	0.45	4.3	4.3	4.2	1.8	1.8	1.8	7.0	7.0	7.0	41%	41%	42%	0.0%	0.0%	0.2%
Median		5.4	5.2	5.0	1.8	1.7	1.7	13.4	12.2	11.1	33%	33%	34%	5.0%	5.3%	5.7%

Media company valuations

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Polish companies																
Agora	11.50	5.2	4.8	4.2	0.5	0.5	0.5	38.2	20.3	12.6	9%	10%	11%	4.3%	4.3%	4.3%
Wirtualna Polska	60.00	10.0	8.8	8.0	3.1	2.8	2.6	18.8	16.0	14.7	31%	32%	32%	1.7%	2.8%	3.3%
Median		7.6	6.8	6.1	1.8	1.6	1.5	28.5	18.2	13.6	20%	21%	21%	3.0%	3.6%	3.8%
Daily Mail																
Amolgo Mondadori	1.41	5.4	5.3	5.5	0.6	0.6	0.6	9.9	9.1	9.1	10%	11%	10%	3.1%	3.8%	3.3%
Axel Springer	63.00	11.3	10.4	9.5	2.6	2.5	2.4	23.3	20.9	19.1	23%	24%	25%	3.4%	3.6%	3.8%
Daily Mail	771.00	8.3	8.2	7.7	1.1	1.1	1.1	20.8	19.1	17.6	14%	14%	14%	0.0%	0.0%	0.0%
Gruppo Editoriale	0.26	5.0	5.0	5.4	0.4	0.4	0.4	10.8	10.0	8.9	7%	8%	7%	2.7%	4.6%	2.7%
New York Times	28.58	17.8	16.6	13.3	2.5	2.4	2.2	33.7	30.5	23.9	14%	14%	16%	0.7%	0.7%	0.8%
Promotora de Inform	1.29	7.8	6.7	6.3	1.7	1.6	1.6	11.5	9.5	8.2	21%	24%	25%	0.0%	0.0%	-
Median		8.1	7.5	7.0	1.4	1.4	1.3	16.2	14.5	13.4	14%	14%	15%	1.7%	2.2%	2.7%
TV																
Atresmedia Corp	3.42	5.3	5.4	5.6	0.9	0.9	0.9	6.0	6.3	6.5	18%	17%	17%	13.5%	13.0%	12.1%
Gestevisión Telecinco	6.02	7.3	7.6	7.7	1.9	1.9	2.0	9.9	10.0	9.9	26%	26%	25%	7.8%	7.9%	7.8%
ITV PLC	114.90	7.9	7.6	7.2	1.7	1.7	1.6	8.9	8.5	8.3	22%	22%	22%	0.0%	0.0%	0.0%
M6-Metropole Tel	16.55	5.3	5.3	5.0	1.4	1.4	1.4	11.9	11.5	12.5	26%	26%	27%	5.8%	6.0%	6.6%
Mediaset SPA	2.93	4.6	4.5	4.3	1.5	1.5	1.5	13.0	11.5	10.7	33%	34%	36%	5.8%	6.8%	6.8%
ProSieben	11.44	5.4	5.3	4.9	1.2	1.2	1.1	5.7	5.5	5.2	23%	23%	23%	9.2%	9.4%	9.7%
RTL Group	47.98	6.3	6.3	6.1	1.3	1.2	1.2	10.7	10.6	10.4	20%	20%	20%	8.3%	8.4%	8.9%
TF1-TV Francaise	8.85	3.6	3.5	3.3	0.7	0.7	0.7	10.2	9.6	8.5	21%	21%	22%	5.0%	5.3%	6.9%
Median		5.4	5.3	5.0	1.4	1.4	1.4	10.2	10.0	9.9	23%	23%	23%	5.8%	6.8%	6.9%
Pay TV																
Cogeco	104.56	6.2	6.1	6.0	3.0	2.9	2.9	16.1	14.3	14.7	48%	48%	48%	2.0%	2.2%	2.4%
Comcast	42.43	8.4	7.9	7.6	2.6	2.5	2.4	14.1	12.7	11.6	31%	31%	32%	2.0%	2.2%	2.3%
Dish Network	31.04	8.7	10.1	11.7	1.7	1.8	1.9	12.7	17.3	21.5	19%	18%	16%	0.0%	0.0%	0.0%
Liberty Global	25.58	4.8	4.8	5.1	2.1	2.1	2.1	-	-	31.2	43%	43%	41%	0.0%	0.0%	-
Shaw Communications	18.85	7.5	7.2	6.9	3.1	3.0	2.9	19.3	17.3	15.4	41%	42%	42%	8.4%	8.5%	8.6%
Median		7.5	7.2	6.9	2.6	2.5	2.4	15.1	15.8	15.4	41%	42%	41%	2.0%	2.2%	2.3%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg

IT company valuations

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Polish companies																
Asseco Poland	55.35	4.7	4.4	4.2	0.7	0.7	0.6	14.8	14.4	14.3	15%	15%	15%	5.5%	4.1%	4.1%
Comarch	176.00	6.4	5.8	5.4	1.0	0.9	0.8	15.2	13.8	13.0	15%	15%	15%	0.9%	0.9%	0.9%
Median		5.6	5.1	4.8	0.8	0.8	0.7	15.0	14.1	13.6	15%	15%	15%	3.2%	2.5%	2.5%
Foreign companies																
Atos Origin	67.06	6.7	6.3	6.1	0.9	0.9	0.9	7.6	7.1	6.8	13%	14%	14%	2.5%	2.8%	3.0%
CapGemini	106.10	8.9	8.4	8.0	1.3	1.2	1.2	16.2	14.8	13.7	14%	15%	15%	1.7%	1.9%	2.1%
IBM	129.57	7.7	7.6	7.8	1.9	1.9	1.9	9.3	9.1	8.9	24%	24%	24%	5.0%	5.2%	5.3%
Indra Sistemas	6.77	4.8	4.5	4.3	0.5	0.5	0.5	8.5	7.5	6.8	11%	11%	11%	1.8%	3.0%	3.9%
Microsoft	133.39	18.0	16.1	14.1	7.7	6.9	6.2	29.1	26.1	22.5	43%	43%	44%	1.4%	1.5%	1.6%
Oracle	51.58	10.4	9.9	9.6	4.8	4.7	4.6	15.0	13.7	12.8	47%	48%	48%	1.6%	1.8%	1.9%
SAP	105.22	16.1	13.9	12.5	5.0	4.7	4.3	21.8	19.5	17.4	31%	34%	35%	1.5%	1.7%	1.9%
TietoEnator	22.50	7.4	7.1	6.9	1.1	1.1	1.1	12.1	11.5	11.0	15%	15%	15%	6.6%	6.8%	7.0%
Median		8.3	8.0	7.9	1.6	1.5	1.5	13.6	12.6	11.9	20%	20%	20%	1.8%	2.4%	2.5%

Gaming company valuations

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Gaming																
11 bit studios	404.00	19.0	23.5	6.0	10.9	9.8	4.0	27.1	38.6	9.6	58%	42%	66%	0.0%	0.0%	0.0%
CD Projekt	240.40	-	8.8	8.7	73.4	6.7	7.2	-	11.8	12.1	14%	76%	82%	0.0%	0.0%	0.0%
Activision Blizzards	47.33	14.6	12.3	11.6	5.2	4.7	4.4	21.9	18.4	16.3	36%	38%	38%	0.8%	0.9%	0.9%
Capcom	2889.00	14.6	13.3	11.9	3.5	3.8	3.5	23.6	21.5	20.1	24%	29%	29%	1.2%	1.4%	1.5%
Take Two	128.81	17.6	19.7	17.8	4.2	4.7	4.4	27.2	29.5	26.6	24%	24%	24%	-	-	-
Ubisoft	71.74	8.0	8.2	7.5	3.9	3.6	3.4	24.1	23.7	20.2	49%	44%	45%	0.0%	-	-
Electronic Arts	92.91	16.0	13.8	12.6	5.1	4.7	4.5	23.7	20.6	18.2	32%	34%	35%	-	-	-
Paradox Interactive	133.70	16.3	12.8	10.5	9.8	8.1	7.0	31.0	24.0	20.2	60%	63%	66%	1.0%	1.2%	1.6%
Mediana		16.0	13.0	11.0	5.2	4.7	4.4	24.1	22.6	19.2	34%	40%	42%	0.4%	0.9%	0.9%

Construction company valuations

	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Construction																
Acciona	95.05	8.3	7.9	7.6	1.4	1.4	1.4	20.1	18.1	16.9	17%	18%	18%	3.7%	3.9%	4.2%
Astaldi	0.65	4.5	4.4	4.4	0.5	0.5	0.5	1.1	1.0	0.8	10%	10%	11%	-	-	-
Budimex	132.80	7.3	7.3	6.9	0.3	0.4	0.4	16.9	16.3	14.1	5%	5%	5%	6.1%	4.6%	4.8%
Ferrovial	25.48	52.7	35.2	35.3	3.9	3.8	3.7	65.8	42.3	35.1	7%	11%	10%	2.9%	3.0%	3.1%
Hochtief	96.05	3.4	3.3	3.2	0.2	0.2	0.2	10.0	9.5	9.1	6%	6%	6%	6.4%	6.8%	7.0%
Mota Engil	1.92	4.0	3.6	3.4	0.6	0.5	0.5	12.0	8.2	6.9	15%	15%	15%	2.2%	4.3%	7.3%
NCC	148.15	6.3	5.4	5.1	0.3	0.3	0.2	14.5	10.8	9.8	4%	5%	5%	4.0%	5.1%	5.2%
Skanska	176.40	9.5	8.5	8.0	0.4	0.4	0.4	14.7	13.4	12.7	5%	5%	5%	4.0%	4.2%	4.6%
Strabag	29.75	2.6	2.5	2.5	0.2	0.2	0.1	9.9	9.9	9.5	6%	6%	6%	4.4%	4.6%	4.4%
Median		6.3	5.4	5.1	0.4	0.4	0.4	14.5	10.8	9.8	6%	6%	6%	4.0%	4.4%	4.7%

Real-estate developers

	Price	EV/EBITDA			P/BV			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
RE Developers																
Atal	34.10	6.9	7.3	6.6	1.5	1.5	1.5	7.3	7.7	6.9	24%	23%	23%	13.8%	12.5%	11.9%
Dom Development	80.20	8.1	7.5	8.3	1.9	1.9	1.9	9.0	8.1	8.9	17%	18%	17%	11.3%	11.1%	12.3%
Echo Investment	4.45	15.3	12.3	16.5	1.2	1.1	1.1	7.8	7.2	7.6	35%	42%	29%	9.0%	8.7%	5.6%
GTC	9.50	14.8	12.9	10.7	1.0	0.9	0.9	10.3	10.0	7.2	86%	90%	100%	0.2%	0.2%	0.2%
LC Corp	2.28	7.3	9.9	8.9	0.6	0.6	0.6	-	-	-	32%	28%	27%	13.2%	11.0%	7.0%
CA Immobilien Anlagen	31.50	25.6	23.3	21.5	1.1	1.0	0.9	23.7	20.9	15.8	76%	68%	50%	3.1%	3.4%	3.8%
Deutsche Euroshop AG	23.02	14.5	14.4	14.5	0.6	0.7	0.7	10.1	10.1	9.9	88%	88%	88%	6.7%	6.9%	7.0%
Immofinanz AG	23.92	28.9	27.1	24.7	0.9	0.8	0.8	19.6	19.5	15.0	49%	53%	48%	3.6%	3.8%	4.3%
Klepierre	27.38	18.2	18.1	17.8	0.7	0.8	0.8	10.3	10.0	10.1	88%	87%	87%	8.0%	8.2%	8.2%
Segro	772.80	34.6	31.3	28.4	1.1	1.0	1.0	32.1	29.7	28.8	76%	78%	81%	0.0%	0.0%	0.0%
Median		15.1	13.7	15.5	1.0	1.0	0.9	10.3	10.0	9.9	63%	60%	49%	7.3%	7.5%	6.3%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg

Clothing and footwear company valuations

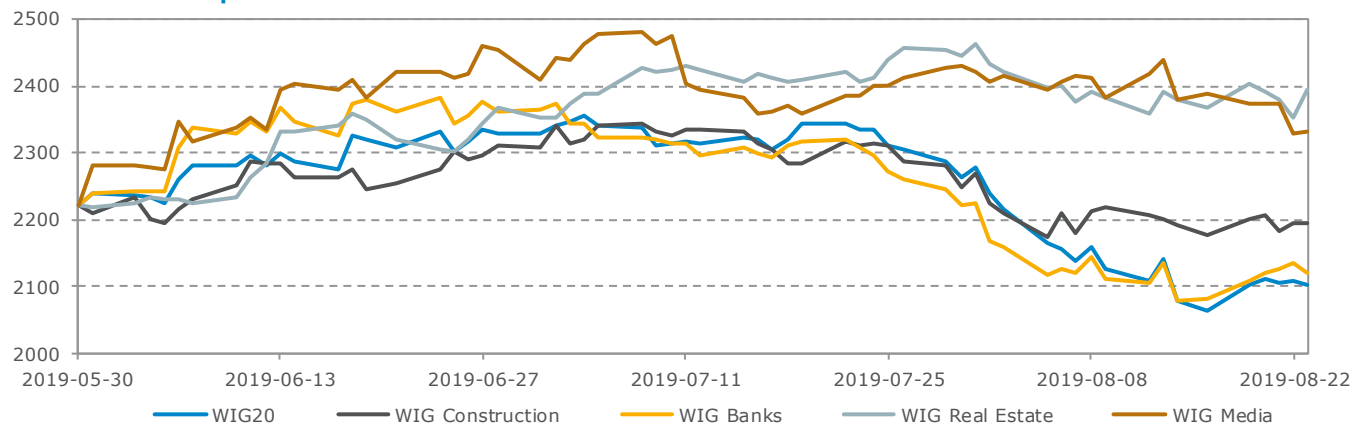
	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Polish companies																
CCC	129.90	6.7	5.3	5.1	1.1	0.9	0.8	48.5	20.0	17.7	16%	18%	16%	0.4%	1.5%	1.5%
LPP	7180.00	9.9	8.9	7.7	1.4	1.2	1.0	19.6	17.7	16.2	14%	14%	14%	0.8%	1.1%	0.9%
Monnari	4.81	4.6	3.8	2.5	0.3	0.2	0.2	9.5	9.4	8.1	7%	7%	7%	0.0%	0.0%	0.0%
VRG	4.28	8.5	7.2	6.4	1.0	0.9	0.8	13.6	11.8	10.7	12%	12%	12%	0.0%	0.0%	0.0%
Median		7.6	6.3	5.7	1.1	0.9	0.8	16.6	14.8	13.4	13%	13%	13%	0.2%	0.5%	0.4%
Foreign companies																
ABC Mart	6700.00	8.8	8.5	8.1	1.6	1.5	1.5	18.1	17.5	16.9	18%	18%	18%	2.4%	2.5%	2.5%
Adidas	259.80	15.1	13.8	12.6	2.2	2.0	1.9	26.6	23.7	20.9	14%	15%	15%	1.4%	1.7%	1.9%
Assoc Brit Foods	2278.00	8.6	7.9	7.5	1.1	1.0	1.0	16.7	14.9	13.9	13%	13%	13%	0.0%	0.0%	0.0%
Caleries	14.91	3.5	3.2	3.1	0.2	0.2	0.2	6.5	6.0	5.5	7%	7%	7%	1.9%	1.9%	1.9%
Crocs	23.13	11.7	9.8	8.1	1.4	1.4	1.3	21.2	17.0	-	12%	14%	16%	-	-	-
Foot Locker	34.00	3.5	3.3	3.1	0.4	0.4	0.4	7.5	6.6	6.0	11%	11%	12%	4.0%	4.5%	5.0%
Geox	1.23	5.9	4.8	3.9	0.4	0.4	0.3	30.9	16.7	10.8	6%	8%	9%	2.4%	3.2%	4.8%
H&M	177.94	10.0	9.5	9.0	1.2	1.2	1.1	23.2	21.7	20.6	12%	12%	12%	5.2%	5.0%	5.1%
Hugo Boss	50.20	6.3	5.9	5.4	1.2	1.1	1.1	13.3	11.9	10.8	19%	19%	20%	5.8%	6.4%	7.0%
Inditex	27.05	13.9	13.0	12.2	2.9	2.7	2.6	24.2	22.3	20.8	21%	21%	21%	2.9%	3.8%	4.2%
KappAhl	19.87	5.0	4.7	4.8	0.4	0.4	0.4	8.5	8.1	8.3	8%	8%	8%	7.2%	7.9%	6.8%
Lululemon	180.03	25.6	21.8	18.9	6.5	5.6	4.9	48.1	39.1	32.9	25%	26%	26%	0.0%	0.0%	0.0%
Nike	80.44	17.3	15.1	13.4	2.5	2.3	2.2	31.3	26.7	22.7	15%	15%	16%	1.1%	1.2%	1.2%
Under Armour	17.92	8.5	6.9	5.7	0.7	0.6	0.6	51.6	36.8	25.2	8%	9%	10%	0.0%	0.0%	0.0%
Median		8.7	8.2	7.8	1.2	1.1	1.1	22.2	17.3	16.9	12%	13%	14%	2.4%	2.5%	2.5%

Luxury, e-commerce, and food retail company valuations

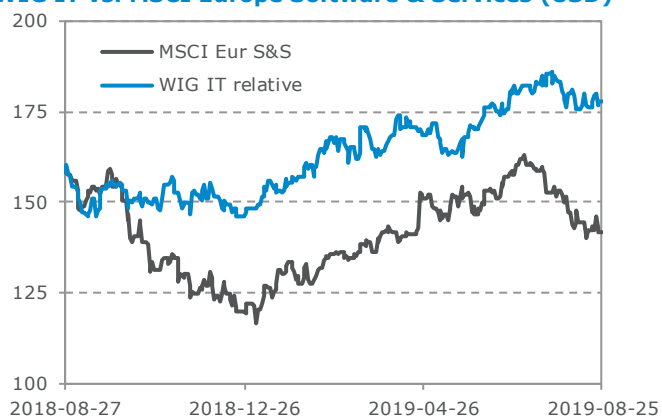
	Price	EV/EBITDA			EV/S			P/E			EBITDA margin			DY		
		2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021	2019	2020	2021
Luxury goods																
Estee Lauder	197.15	14.2	13.0	12.0	3.0	2.8	2.6	37.9	34.2	31.2	21%	21%	22%	0.8%	0.9%	1.1%
Hermes Internetal	613.80	24.2	22.2	20.3	9.1	8.4	7.8	42.6	38.8	35.3	38%	38%	38%	0.9%	1.1%	1.1%
Kering	426.00	10.4	9.5	8.7	3.4	3.2	3.0	16.2	14.2	13.1	33%	34%	34%	2.8%	3.2%	3.5%
LVMH	355.50	13.7	12.7	11.8	3.6	3.4	3.1	24.5	22.5	20.6	26%	26%	27%	1.9%	2.1%	2.3%
Moncler	34.42	14.6	12.8	11.5	5.1	4.5	4.1	23.6	21.9	19.7	35%	35%	35%	1.3%	1.5%	1.8%
Median		14.2	12.8	11.8	3.6	3.4	3.1	24.5	22.5	20.6	33%	34%	34%	1.3%	1.5%	1.8%
E-commerce																
Asos	2296.00	14.6	10.6	8.1	0.7	0.6	0.5	45.4	29.1	20.4	5%	6%	6%	0.0%	0.0%	0.0%
boohoo.com	228.40	30.8	23.1	18.4	3.0	2.2	1.8	57.1	45.7	36.3	10%	10%	10%	0.0%	0.0%	0.0%
Zalando	42.60	33.4	26.0	19.3	1.5	1.3	1.1	-	-	67.6	5%	5%	6%	0.0%	0.0%	0.0%
Median		30.8	23.1	18.4	1.5	1.3	1.1	51.2	37.4	36.3	5%	6%	6%	0.0%	0.0%	0.0%
Retail																
Dino	147.10	20.5	15.4	12.0	2.0	1.5	1.2	35.4	25.7	19.8	10%	10%	10%	0.0%	0.0%	0.0%
Eurocash	18.47	7.7	6.8	5.7	0.1	0.1	0.1	35.7	25.3	17.8	2%	2%	2%	5.4%	1.4%	2.0%
Jeronimo Martins	14.46	9.0	8.2	7.7	0.5	0.5	0.4	20.5	18.4	17.6	6%	6%	6%	1.9%	2.0%	2.1%
Carrefour	15.39	4.9	4.5	4.3	0.2	0.2	0.2	13.3	11.5	10.7	5%	5%	5%	3.3%	3.6%	3.9%
AXFood	206.20	12.1	11.8	11.6	1.0	0.9	0.9	26.7	26.4	26.5	8%	8%	8%	3.4%	3.4%	3.2%
Tesco	212.60	6.9	5.7	5.5	0.4	0.4	0.4	15.0	12.4	11.2	5%	6%	6%	0.0%	0.0%	0.0%
Ahold	20.80	6.1	6.0	5.9	0.5	0.4	0.4	12.7	12.0	11.6	8%	7%	7%	3.6%	3.9%	4.1%
X 5 Retail	2153.00	6.3	5.7	5.3	0.4	0.4	0.4	15.8	14.0	13.1	7%	7%	7%	4.9%	5.7%	6.4%
Magnit	3520.50	5.1	4.5	4.0	0.4	0.3	0.3	10.2	9.4	8.5	7%	7%	7%	6.7%	6.2%	6.5%
Sonae	0.82	9.5	9.1	8.2	0.6	0.6	0.6	8.0	8.2	9.1	7%	7%	7%	5.5%	6.0%	6.1%
Median		7.3	6.4	5.8	0.5	0.4	0.4	15.4	13.2	12.3	7%	7%	7%	3.5%	3.5%	3.6%

Source: Dom Maklerski mBanku (stocks marked with bold), Bloomberg

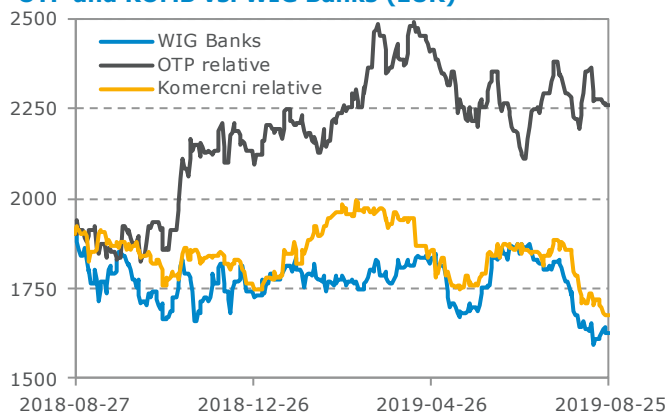
WIG sector index performance



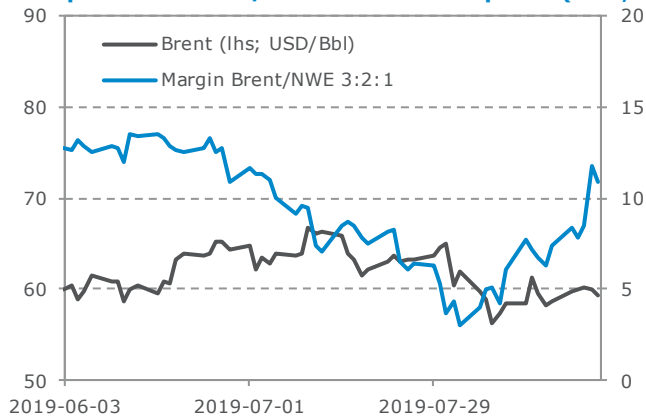
WIG IT vs. MSCI Europe Software & Services (USD)



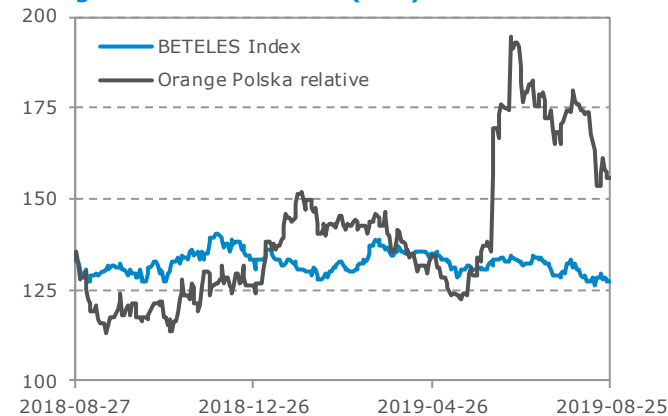
OTP and KOMB vs. WIG Banks (EUR)



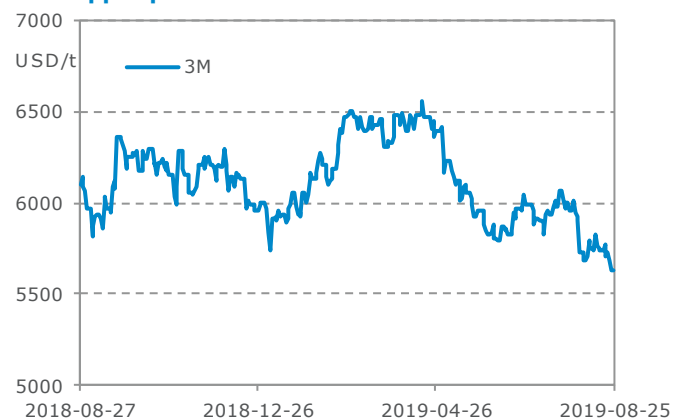
Brent price and Brent/NWE 3:2:1 crack spread (USD, rhs)



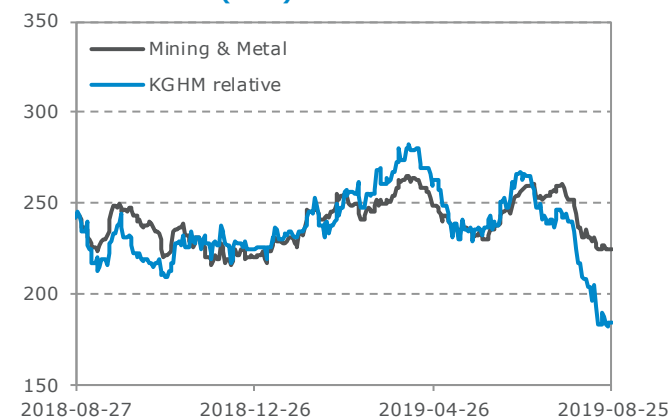
Orange Polska vs. BETELES (EUR)



LME copper prices



KGHM vs. sector (USD)

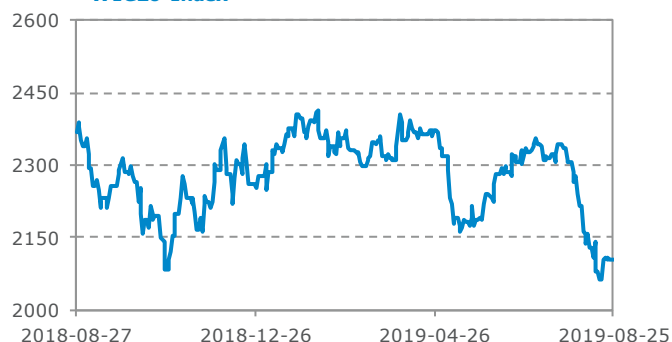


Source: Bloomberg

Global Market Overview

Index	Date	Open	Maximum	Minimum	Close	Change
DJIA	2019-08-23	26,134.21	26,320.29	25,507.18	25,628.90	-2.37%
S&P 500	2019-08-23	2,911.07	2,927.01	2,834.97	2,847.11	-2.59%
NASDAQ	2019-08-23	7,943.65	8,005.34	7,730.77	7,751.77	-3.00%
DAX	2019-08-23	11,805.48	11,823.12	11,611.51	11,611.51	-1.15%
CAC 40	2019-08-23	5,413.41	5,421.28	5,326.87	5,326.87	-1.14%
FTSE 100	2019-08-23	7,128.18	7,188.59	7,094.98	7,094.98	-0.47%
WIG20	2019-08-23	2,115.16	2,128.10	2,081.07	2,103.68	-0.21%
BUX	2019-08-23	39,470.29	39,668.43	39,238.97	39,519.58	+0.32%
PX	2019-08-23	1,042.32	1,047.81	1,041.39	1,045.55	+0.31%
RTS	2019-08-23	1,897.92	1,903.97	1,869.14	1,884.38	-0.54%
SOFIX	2019-08-23	574.70	577.02	574.31	576.43	+0.30%
BET	2019-08-23	9,118.85	9,156.46	9,095.00	9,095.00	-0.27%
XU100	2019-08-23	95,688.27	97,403.90	95,270.66	97,149.04	+1.84%
BETELES	2019-08-23	127.77	128.49	127.15	127.16	-0.42%
NIKKEI	2019-08-23	20,579.98	20,719.31	20,579.98	20,710.91	+0.40%
SHCOMP	2019-08-23	2,885.15	2,902.46	2,878.74	2,897.43	+0.49%
Copper (LME)	2019-08-23	5,692.00	5,725.50	5,624.50	5,633.00	-0.88%
Crude Oil (Brent)	2019-08-23	59.73	59.86	57.93	58.31	-2.20%
USD/PLN	2019-08-23	3.9325	3.9449	3.9200	3.9234	-0.23%
EUR/PLN	2019-08-23	4.3568	4.3831	4.3512	4.3742	+0.40%
EUR/USD	2019-08-23	1.1080	1.1153	1.1052	1.1144	+0.58%
USBonds10	2019-08-23	1.6097	1.6608	1.5047	1.5351	-0.0780
GRBonds10	2019-08-23	-0.6330	-0.6070	-0.6810	-0.6750	-0.0310
PLBonds10	2019-08-23	2.0500	2.0780	2.0090	2.0160	-0.0190

WIG20 Index



BUX Index



PX Index



S&P 500 (SPX Index)



NASDAQ (CCMP Index)



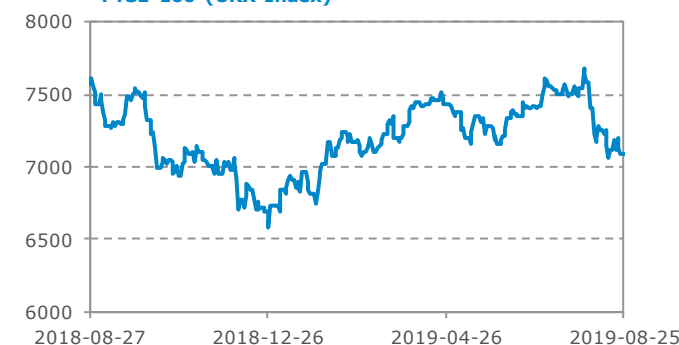
DOW JONES (INDU Index)



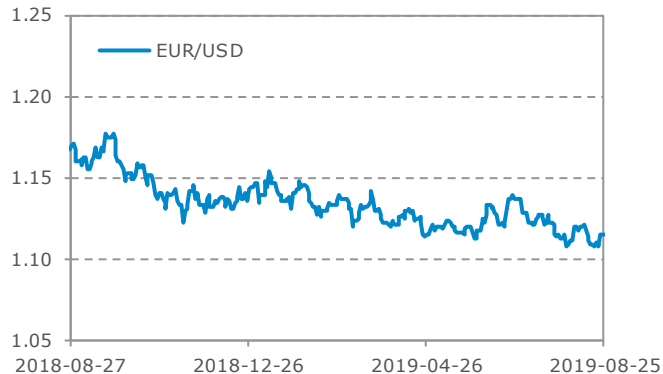
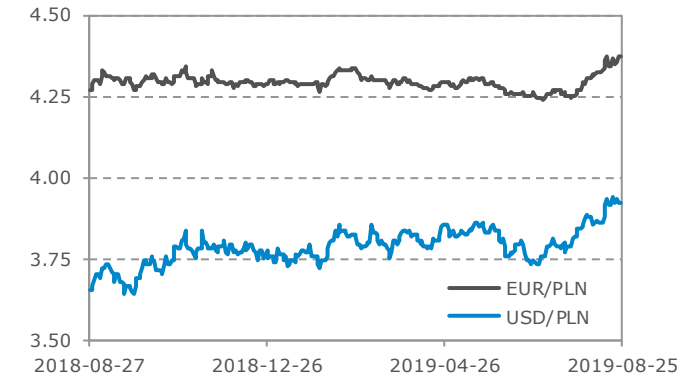
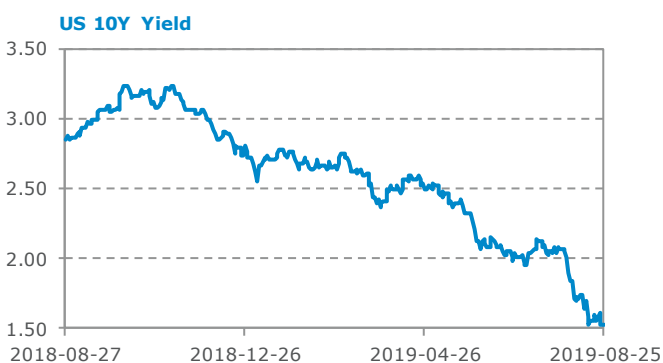
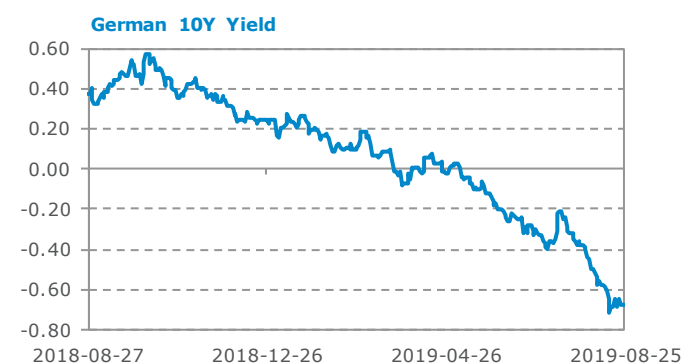
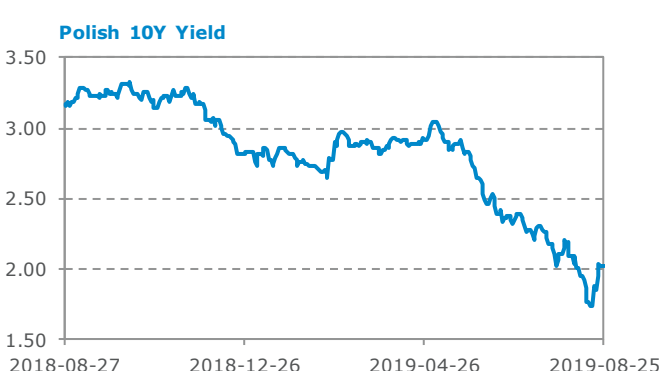
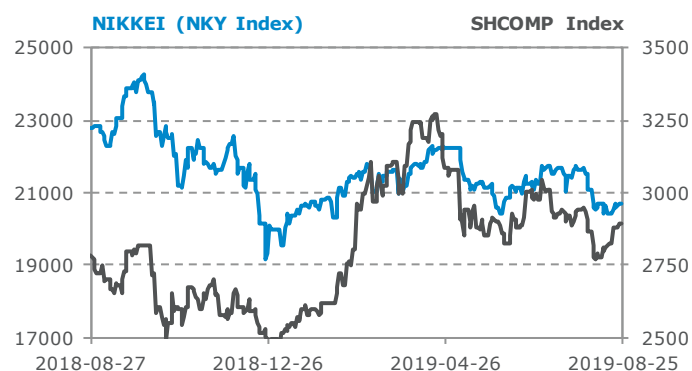
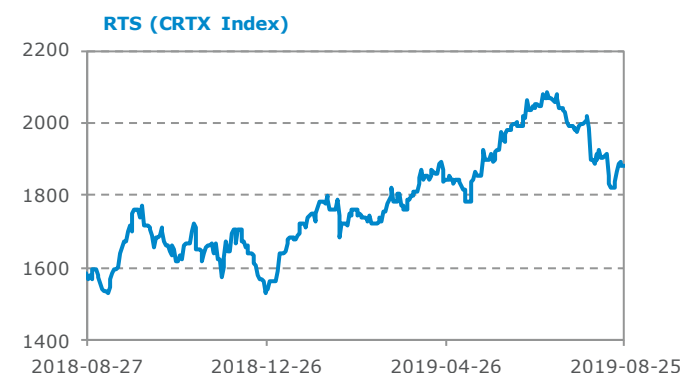
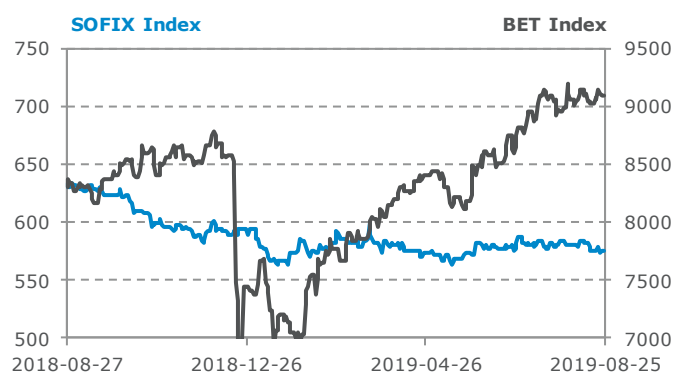
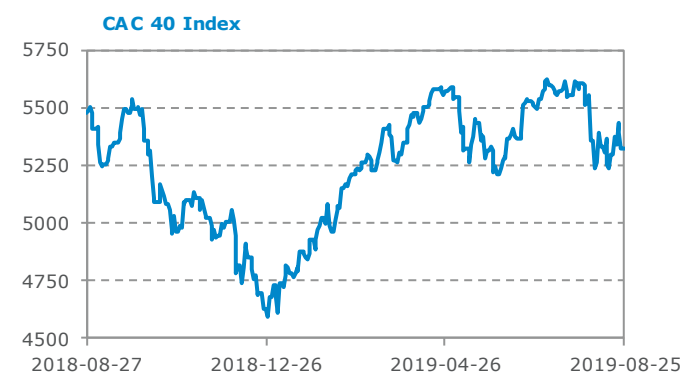
DAX Index



FTSE 100 (UKX Index)



Source: Bloomberg



Source: Bloomberg

List of abbreviations and ratios contained in the report.

EV – net debt + market value (EV – economic value)
EBIT – Earnings Before Interest and Taxes
EBITDA – EBIT + Depreciation and Amortisation
PBA – Profit on Banking Activity
P/CE – price to earnings with amortisation
MC/S – market capitalisation to sales
EBIT/ EV – operating profit to economic value
P/E – (Price/Earnings) – price divided by annual net profit per share
ROE – (Return on Equity) – annual net profit divided by average equity
P/BV – (Price/Book Value) – price divided by book value per share
Net debt – credits + debt papers + interest bearing loans – cash and cash equivalents
EBITDA margin – EBITDA/Sales

OVERWEIGHT (OW) – a rating which indicates that we expect a stock to outperform the broad market
NEUTRAL (N) – a rating which indicates that we expect the stock to perform in line with the broad market
UNDERWEIGHT (UW) – a rating which indicates that we expect the stock to underperform the broad market

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A recommendation is valid for a period of 9 months, unless a subsequent recommendation is issued within this period. Expected returns from individual recommendations are as follows:

BUY – we expect that the rate of return from an investment will be at least 15%
ACCUMULATE – we expect that the rate of return from an investment will range from 5% to 15%
HOLD – we expect that the rate of return from an investment will range from -5% to +5%
REDUCE – we expect that the rate of return from an investment will range from -5% to -15%
SELL – we expect that an investment will bear a loss greater than 15%
Recommendations are updated at least once every nine months.

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Economic profits – discounting of future economic profits; the weak point is high sensitivity to changes in the assumptions made in the valuation model.
Discounted Dividends (DDM) – discounting of future dividends; the weak point is high sensitivity to changes in the assumptions as to future dividends made in the valuation model.
NAV – valuation based on equity value, one of the most frequently used method in case of developing companies; the weak point of the method is that it does not factor in future changes in revenue/profits of a company.

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